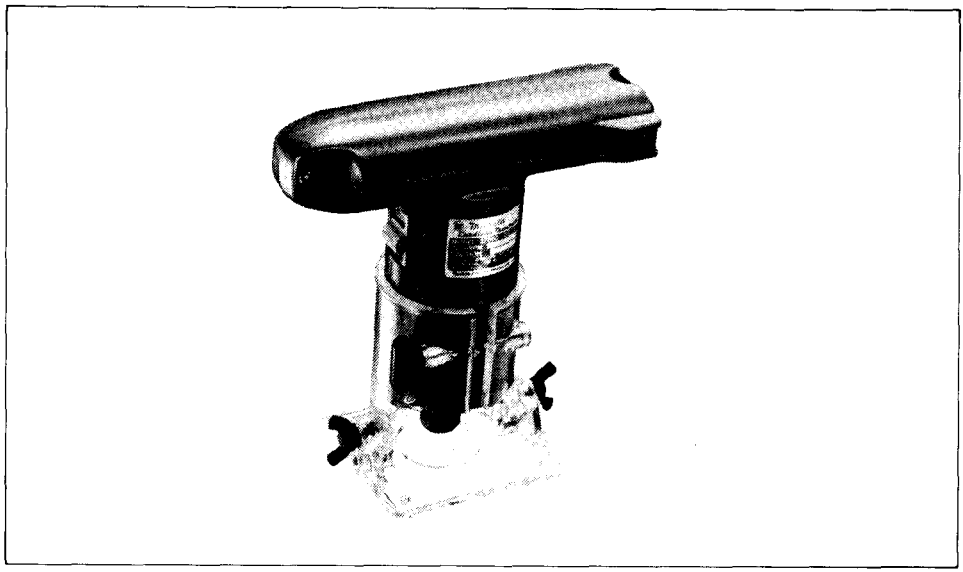
アメリカ

Cordless Trimmer

1/4" MODEL 3700D
1/4" MODEL 3700DW
With Fast Charger

INSTRUCTION MANUAL



SPECIFICATIONS

• Model 3700D

Collet chuck capacity	No load speed	Overall length	Net weight
1/4"	8,000 R/min.	165 mm (6-1/2")	1.0 kg (2.2 lbs)

• Battery Cartridge 7000		**• Model DC7100 Fast charger**			
Voltage	Charging time	Input	Output	Dimensions (L x W x H)	Net weight
7.2 V	1 Hr.	A.C. only 50 Hz - 60 Hz	D.C. 7.2 V	145 mm x 80 mm x 61 mm (5-3/4" x 3-1/8" x 2-3/8")	0.7 kg (1.5 lbs)

• Manufacturer reserves the right to change specifications without notice.
* Note: Specifications may differ from country to country.

IMPORTANT SAFETY INSTRUCTIONS

(For All Tools)

WARNING: WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, INCLUDING THE FOLLOWING:

READ ALL INSTRUCTIONS.

1. KEEP WORK AREA CLEAN. Cluttered areas and benches invite injuries.
2. CONSIDER WORK AREA ENVIRONMENT. Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Don't use tool in presence of flammable liquids or gases.
3. KEEP CHILDREN AWAY. All visitors should be kept away from work area. Don't let visitors contact tool or extension cord.
4. STORE IDLE TOOLS. When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
5. DON'T FORCE TOOL. It will do the job better and safer at the rate for which it was intended.
6. USE RIGHT TOOL. Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended.
7. DRESS PROPERLY. Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
8. USE SAFETY GLASSES. Also use face or dust mask if cutting operation is dusty.
9. DON'T ABUSE CORD. Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
10. SECURE WORK. Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
11. DON'T OVERREACH. Keep proper footing and balance at all times.
12. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
13. DISCONNECT TOOLS. When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.

14. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
15. AVOID UNINTENTIONAL STARTING. Don't carry plugged-in tool with finger on switch. Be sure switch is OFF when plugging in.
16. OUTDOOR USE EXTENSION CORDS. When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
17. STAY ALERT. Watch what you are doing, use common sense. Don't operate tool when you are tired.
18. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Don't use tool if switch does not turn it on and off.
19. GUARD AGAINST ELECTRIC SHOCK. Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
20. REPLACEMENT PARTS. When servicing, use only identical replacement parts.

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in SERIOUS INJURY to the user — as well as damage to the tool. If in doubt, DO NOT PLUG IN THE TOOL. Using a power source with voltage less than the nameplate rating is harmful to the motor.

IMPORTANT SAFETY INSTRUCTIONS

1. **SAVE THESE INSTRUCTIONS** – This manual contains important safety and operating instructions for battery charger.
2. Before using battery charger, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
3. CAUTION – To reduce risk of injury, charge only MAKITA Battery 7000. Other types of batteries may burst causing personal injury and damage.
4. Do not expose charger to rain or snow.
5. Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injury to persons.
6. To reduce risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.
7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
8. An extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used, make sure:
   a. That pins on plug of extension cord are the same number, size, and shape as those of plug on charger;
   b. That extension cord is properly wired and in good electrical condition; and
   c. That wire size is at least as large as the one specified in the table below.

TABLE 1
RECOMMENDED MINIMUM AWG SIZE FOR
EXTENSION CORDS FOR BATTERY CHARGERS

Length of Cord (Feet)	25	50	100	150
AWG Size of Cord	18	18	18	16

9. Do not operate charger with damaged cord or plug – replace them immediately.
10. Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.
11. Do not disassemble charger or battery cartridge; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
12. To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.

ADDITIONAL SAFETY RULES FOR CHARGER & BATTERY CARTRIDGE

1. Do not charge Battery Cartridge when temperature is BELOW 10°C (50°F) or ABOVE 40°C (104°F).
2. Do not attempt to use a step-up transformer, an engine generator or DC power receptacle.
3. Do not allow anything to cover or clog the charger vents.
4. Always cover the battery terminals with the battery cover when the battery cartridge is not used.
5. A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
   (1) Do not touch the terminals with any conductive material.
   (2) Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.
   (3) Do not expose battery cartridge to water or rain.
6. Do not store the tool and Battery Cartridge in locations where the temperature may reach or exceed 50°C (122°F).
7. Do not incinerate the Battery Cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.

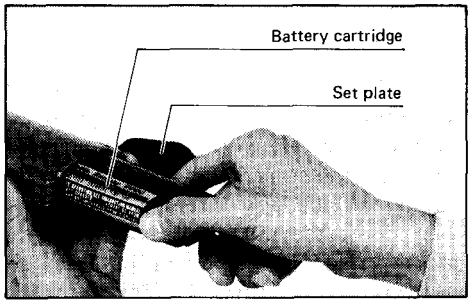
ADDITIONAL SAFETY RULES FOR CORDLESS TRIMMER

1. Be aware that this tool is always in an operating condition, because it does not have to be plugged into an electrical outlet.
2. Handle the bits very carefully.
3. Check the bit carefully for cracks or damage before operation. Replace cracked or damaged bit immediately.
4. Avoid cutting nails. Inspect for and remove all nails from the workpiece before operation.
5. Hold the tool firmly.
6. Keep hands away from rotating parts.
7. Make sure the bit is not contacting the workpiece before the switch is turned on.
8. Before using the tool on an actual workpiece, let it run for a while. Watch for vibration or wobbling that could indicate improperly installed bit.
9. Be careful of the bit rotating direction and the feed direction.
10. Do not leave the tool running. Operate the tool only when hand-held.
11. Always switch off and wait for the bit to come to a complete stop before removing the tool from workpiece.
12. Do not touch the bit immediately after operation, it may be extremely hot and could burn your skin.
13. Keep the bit retracted so as not to protrude from the tool base except during actual operation.

SAVE THESE INSTRUCTIONS.

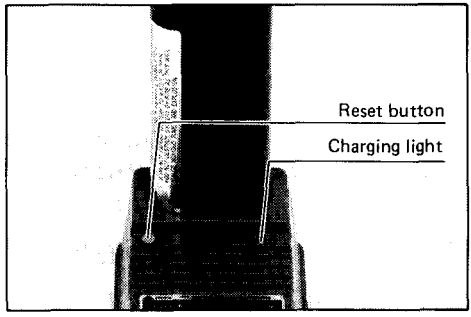
Installing or removing battery cartridge

- Always switch off the tool before insertion or removal of the battery cartridge.



- To remove the battery cartridge, pull out the set plate on the tool and grasp both sides of the cartridge while withdrawing it from the barrel.
- To insert the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Snap the set plate back into place. Be sure to close the set plate fully before using the tool.
- Do not use force when inserting the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.

Charging



Plug the fast charger into your power source. Insert the battery cartridge so that the plus and minus terminals on the battery cartridge are on the same sides as their respective markings on the fast charger. Insert the cartridge fully into the port so that it rests on the charger port floor.
The charging light will come on and charging will begin. If the charging light does not come on, press the reset button. If the charging light goes out within 10 seconds even after pressing the reset button a couple of times, the battery cartridge is dead. (CAUTION: Wait for more than 5 seconds after the charging light goes out to press the reset button again.) Replace it with a new one. When the charging light goes out after about one hour, you may remove the fully charged battery cartridge. After charging, unplug the charger from the power source.

CAUTION:

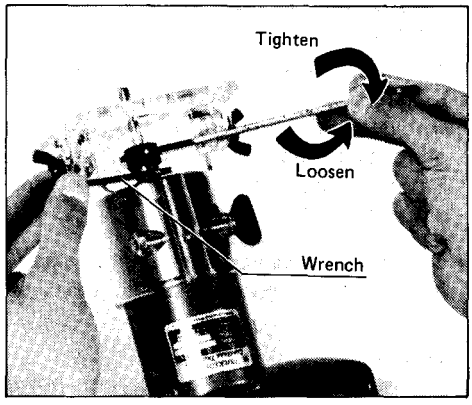
- Your new battery cartridge is not charged. You will need to charge it before use.
- If you try to charge a cartridge from a just-operated tool, sometimes the charging light will not come on. If this occurs, let the cartridge cool off for a while. Then re-insert it and try to charge it once more.
- When you charge a new battery cartridge or a battery cartridge which has not been used for a long period, it may not accept a full charge. This is a normal condition and does not indicate a problem. You can recharge the battery cartridge fully after discharging it almost completely a couple of times.
- If you wish to charge two battery cartridges, allow 15 minutes between chargings on the fast charger.

Installing or removing trimmer bit

CAUTION:

Always be sure that the tool is switched off and the battery cartridge is removed before installing or removing the bit.

To install the straight bit 6, insert it all the way into the collet cone and tighten the collet nut securely with the two wrenches. To install the straight bit 3, first insert the adapter all the way into the collet cone, then insert the bit all the way into the adapter. Tighten the collet nut securely with the two wrenches. To remove the bit, follow the installation procedure in reverse.



NOTE:

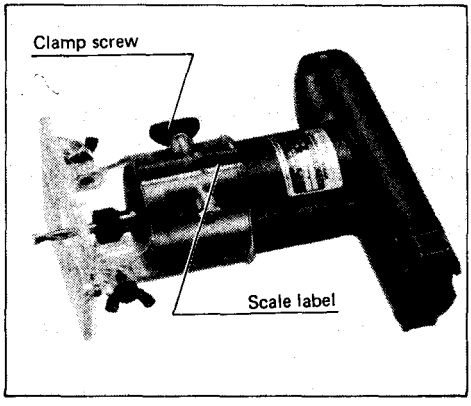
To perform effective operation, the straight bit 3 is recommended only for cutting off or cutting out the plaster board. The straight bit 6 is used for other operations.

CAUTION:

Do not tighten the collet nut without inserting a bit, or the collet cone will break.

Adjusting depth of cut

Place the tool on a flat surface. Loosen the clamp screw and move the tool body until the bit just touches the flat surface. Tighten the clamp screw slightly. Place the tool on its side and loosen the clamp screw. Move the tool base until the desired depth of cut is obtained. Depth of cut can be checked with the scale label (2 mm or about 5/64" per graduation) on the tool. The tighten the clamp screw securely.

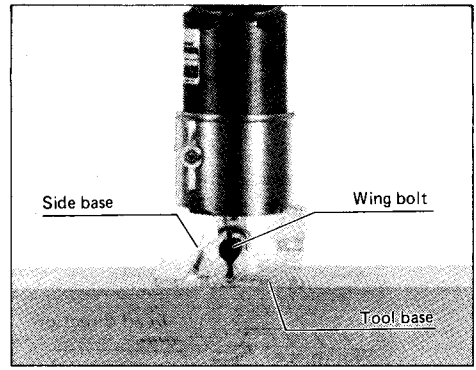


CAUTION:

Since excessive cutting may cause overload of the motor or difficulty in controlling the tool, the depth of cut should not be more than 5 mm (3/16") at a pass when cutting grooves. When you wish to cut grooves more than 5 mm (3/16") deep, make several passes with progressively deeper bit settings.

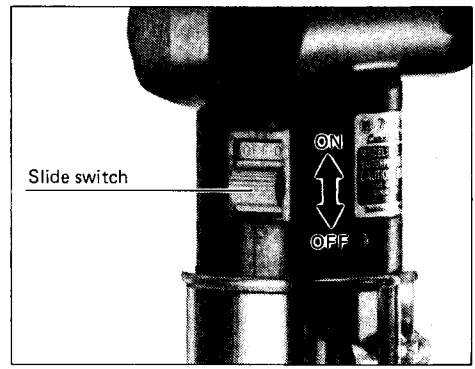
Adjusting side base

This tool is equipped with an adjustable side base. To make the side base flush with the tool base, loosen the wing bolt and set the tool on a level place. Then tighten the wing bolt securely.



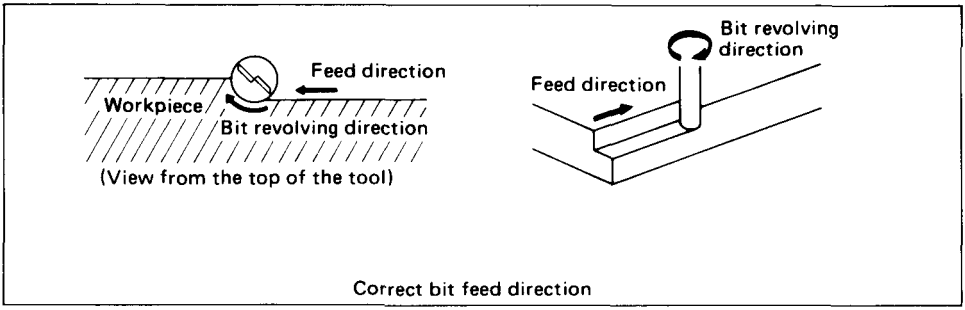
Switch action

To start the tool, move the slide switch up. Move it down to stop.



Operation

- Set the tool base on the workpiece to be cut without the bit making any contact. Then turn the tool on and wait until the bit attains full speed. Move the tool forward over the workpiece surface, keeping the tool base flush and advancing smoothly until the cutting is complete.
- When doing edge cutting, the workpiece surface should be on the left side of the bit in the feed direction. (See the figure below.)



Correct bit feed direction

NOTE:

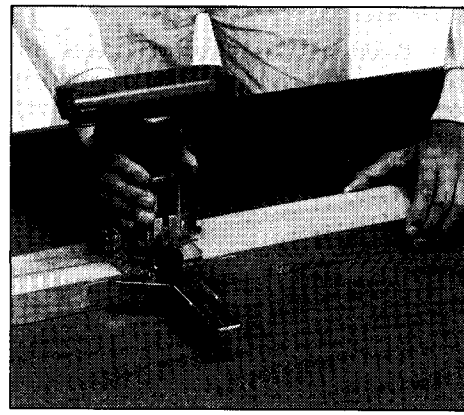
- Moving the tool forward too fast may cause a poor quality of cut, or damage to the bit or motor. Moving the tool forward too slowly may burn and mar the cut. The proper feed rate will depend on the bit size, the kind of workpiece and depth of cut. Before beginning the cut on the actual workpiece, it is advisable to make a sample cut on a piece of scrap lumber. This will show exactly how the cut will look as well as enable you to check dimensions.
- When using the straight guide or the trimmer guide, be sure to install it on the right side in the feed direction. This will help to keep it flush with the side of the workpiece.

CAUTION:

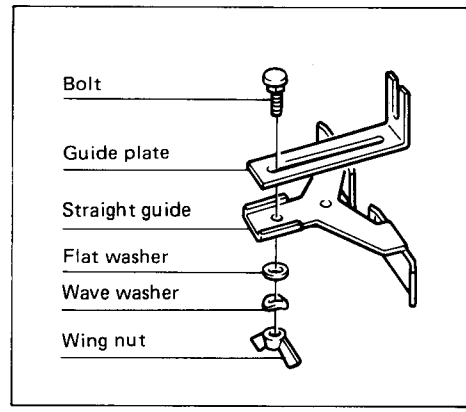
If the tool is operated continuously until the battery cartridge has discharged, allow the tool to rest for 15 minutes before proceeding with a fresh battery.

Straight guide (optional accessory)

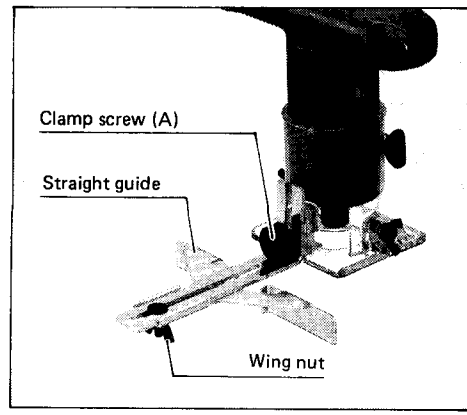
The straight guide is effectively used for straight cuts when chamfering or grooving.



Attach the guide plate to the straight guide with the bolt, the wave washer, the flat washer and the wing nut.



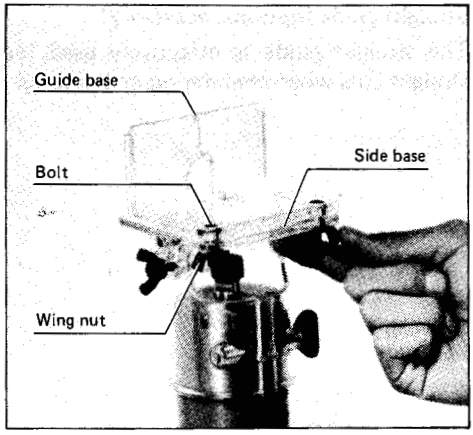
Attach the straight guide with the clamp screw (A). Loosen the wing nut on the guide and adjust the distance between the bit and the straight guide. At the desired distance, tighten the wing nut securely.



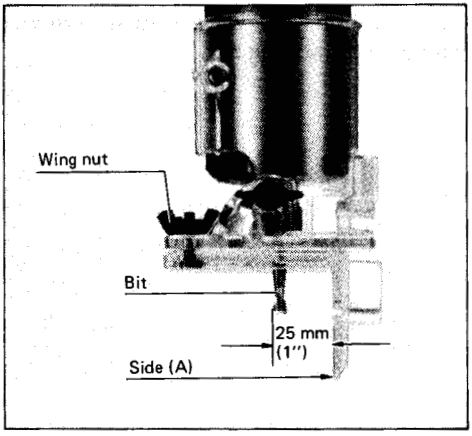
When cutting, move the tool with the straight guide flush with the side of the workpiece.

Guide base

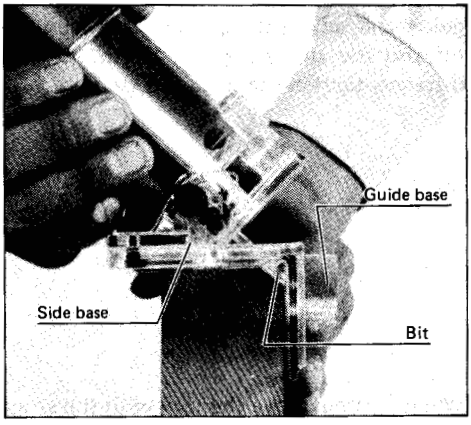
The guide base is effectively used for straight cuts when chamfering or grooving. Attach the guide base to the side base with the wing nuts and bolts.



Adjust the distance between the bit and the side (A) of guide base by sliding the guide base. Then tighten the wing nuts securely. The max. distance is 25 mm (1").

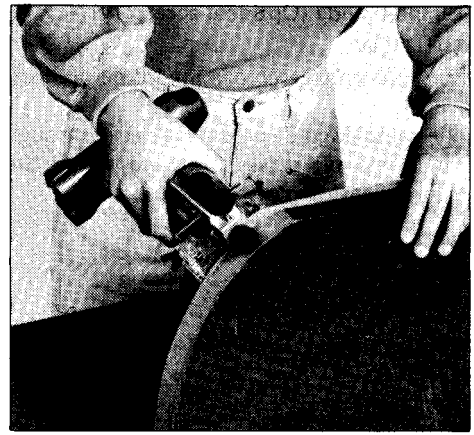


When chamfering, grasp the tool body with one hand and press the guide base down slightly with the other hand as shown in the figure. The bit should point up so that you can see it easily. The chamfering angle may be adjusted by tilting the side base. The chamfering width may be adjusted by sliding the guide base.

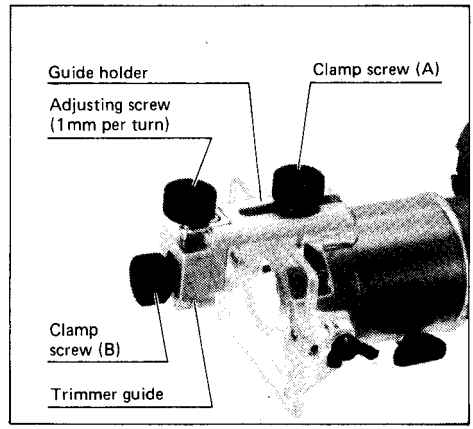


Trimmer guide (Optional accessory)

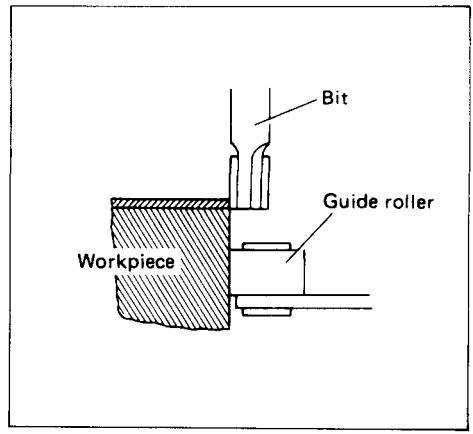
Trimming, curved cuts in veneers for furniture and the like can be done easily with the trimmer guide. The guide roller rides the curve and assures a fine cut.



Install the trimmer guide on the tool base with the clamp screw (A). Loosen the clamp screw (B) and adjust the distance between the bit and the trimmer guide by turning the adjusting screw (1 mm or about 3/64" per turn). At the desired distance, tighten the clamp screw (B) to secure the trimmer guide in place.



When cutting, move the tool with the guide roller riding the side of the workpiece.

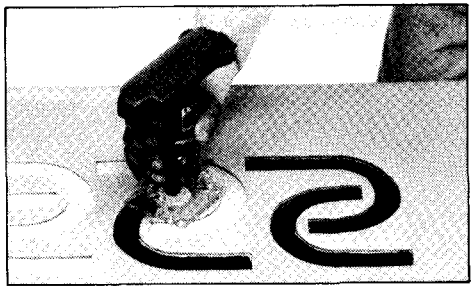


Templet guide (Optional accessory)

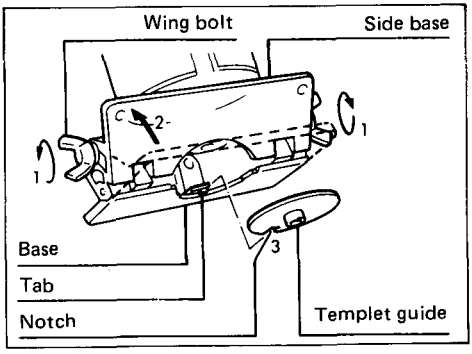
CAUTION:

For your safety, remove the bit before installing the templet guide.

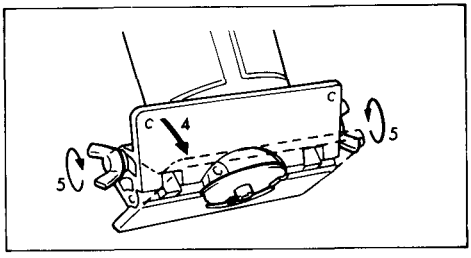
The templet guide provides a sleeve through which the bit passes, allowing use of the trimmer with templet patterns.



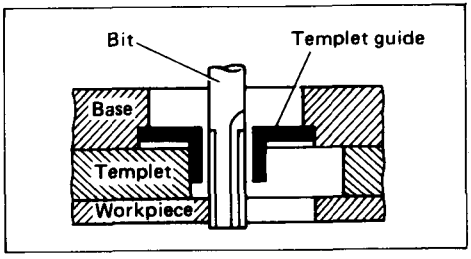
To install the templet guide, loosen the wing bolts and raise the side base. Insert the templet guide onto the base so that the notch in the templet guide is aligned with the small tab on the base.



Return the side base to its original position and tighten the wing bolts securely.



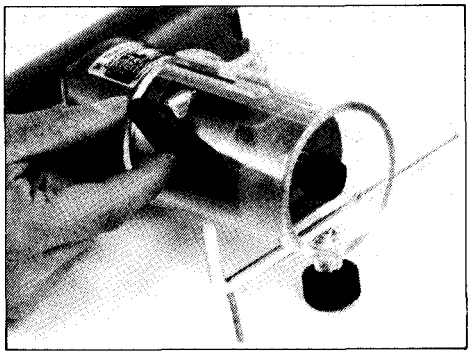
Secure the templet to the workpiece. Place the tool on the templet and move the tool with the templet guide sliding along the side of the templet.



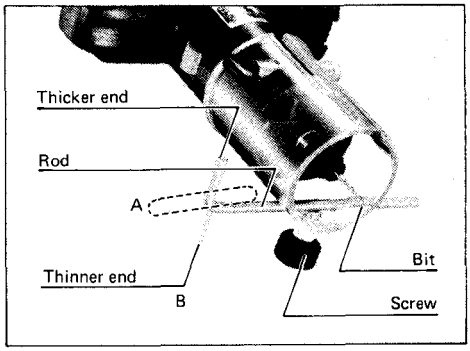
Circle cutting base (Optional accessory)

Various diameter circles can be easily cut with the cordless trimmer by using the optional circle cutting base.

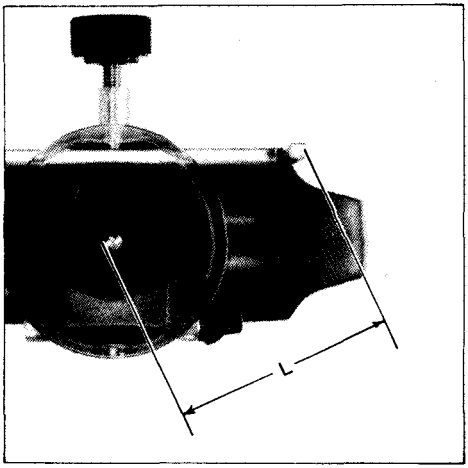
To attach the circle cutting base, you must first remove the standard base. This is done by removing the base clamp screw and then removing the standard base from the trimmer body. The circle cutting base is then installed, using the same clamp screw. Be sure to tighten the clamp screw securely.



The circle cutting base is provided with a "T" shaped guide rod which should be installed by inserting the long part of the rod through the hole in the base. Pivot the short part of the rod to position "A" and tighten the screw.



To cut a circle, first adjust the bit protrusion for the desired depth of cut, and then make a pilot hole at the center point of the circle. Pivot the guide rod to position "B". When using the straight bit 3, to make the circle cut-out the thinner end of the rod should point downward. When using the straight bit 6, the thicker end of the rod should point downward. Adjust the distance (L) between the rod and the bit for the RADIUS of the desired circle you intend to cut. Then tighten the screw securely. Insert the end of the rod into the pilot hole and turn on the trimmer. The circle can now be cut by pivoting the trimmer around the pilot hole.



NOTE:
The straight bit 3 is recommended to cut plaster board.

MAINTENANCE

CAUTION:
Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.

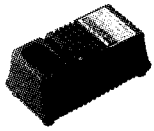
To maintain product SAFETY and RELIABILITY, repairs, maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

ACCESSORIES

CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

- **Fast charger**
  Model DC7100
  Part No. 113086-6



- **Charger 12V for car**
  Model DC7112
  Part No. 113109-0

- **Battery cartridge 7000**
  Part No. 632002-4

- **Battery cover**
  Part No. 414938-7

- **Battery holster**
  Holster holds extra battery.
  Part No. 823033-3C

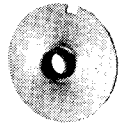
- **Straight bit 6**
  Part No. 733195-1

- **Wrench 10**
  Part No. 781003-0

- **Circle cutting base assembly**
  Part No. 122318-0

- **Guide base assembly**
  Part No. 122315-6

- **Templet guide**
  Part No. 342984-9

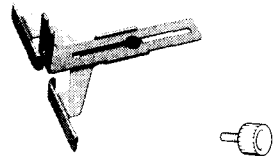


- **Straight bit 3**
  Part No. 733197-7

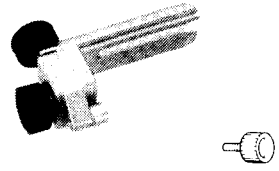
- **Wrench 17**
  Part No. 781008-0

- **Adapter**
  Part No. 322066-3

- **Straight guide assembly**
  Part No. 122314-8

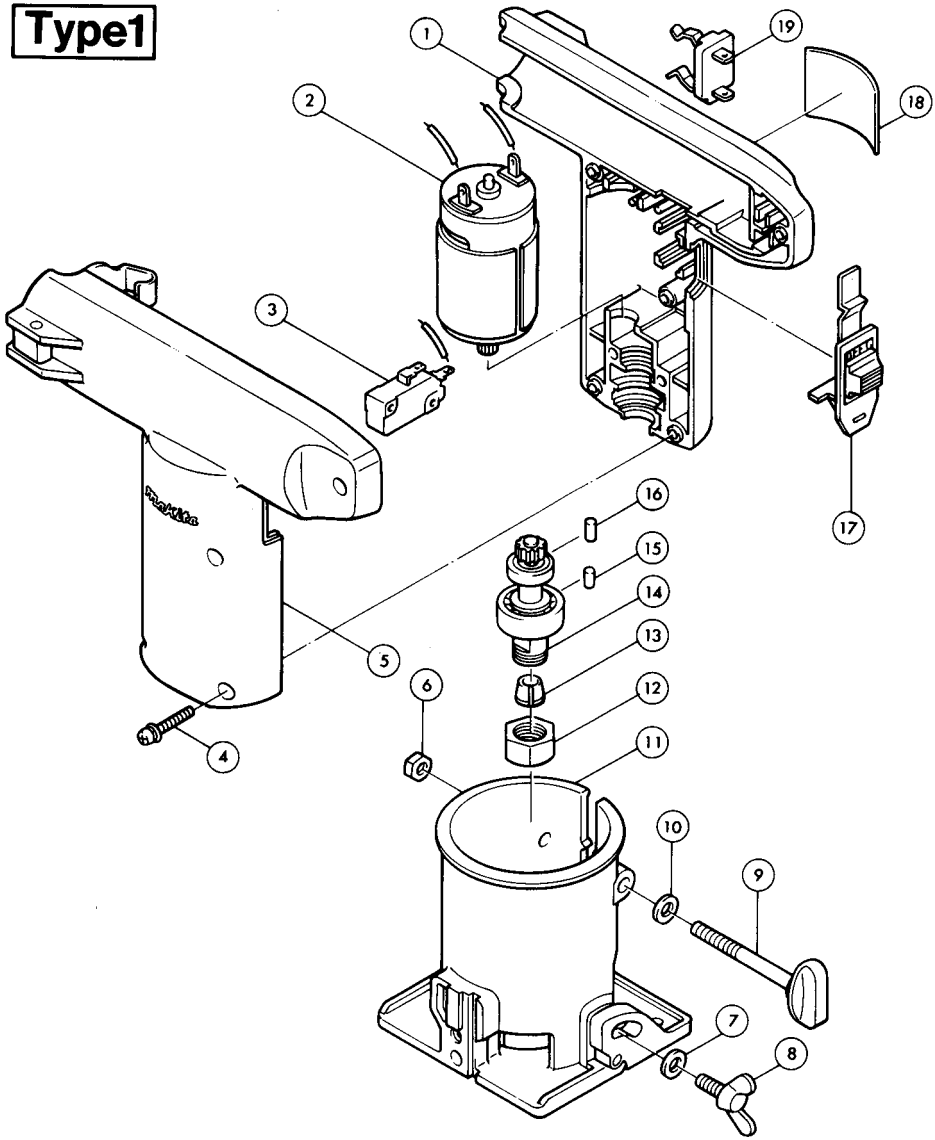


- **Trimmer guide assembly**
  Part No. 122313-0



6 mm (1/4")
CORDLESS TRIMMER
Model 3700D

Type1



Note: The switch and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE			MACHINE		
1	1	Housing Set (With Item 5)	11	1	Base
2	1	Motor	12	1	Collet Nut
3	1	Switch	13	1	Collet Cone
4	5	Pan Head Screw M4x22 (With Washer)	14	1	Spindle
5	1	Housing Set (With Item 1)	15	1	Rubber Pin 4
6	1	Hex. Nut M5	16	1	Rubber Pin 4
7	2	Flat Washer 5	17	1	Switch Lever
8	2	Wing Bolt M5x15	18	1	Name Plate
9	1	Screw M5x55	19	1	Battery Holder
10	1	Flat Washer 5			

Note: The switch and other part specifications may differ from country to country.

アメリカ

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others:
- repairs are required because of normal wear and tear:
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

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Makita Corporation
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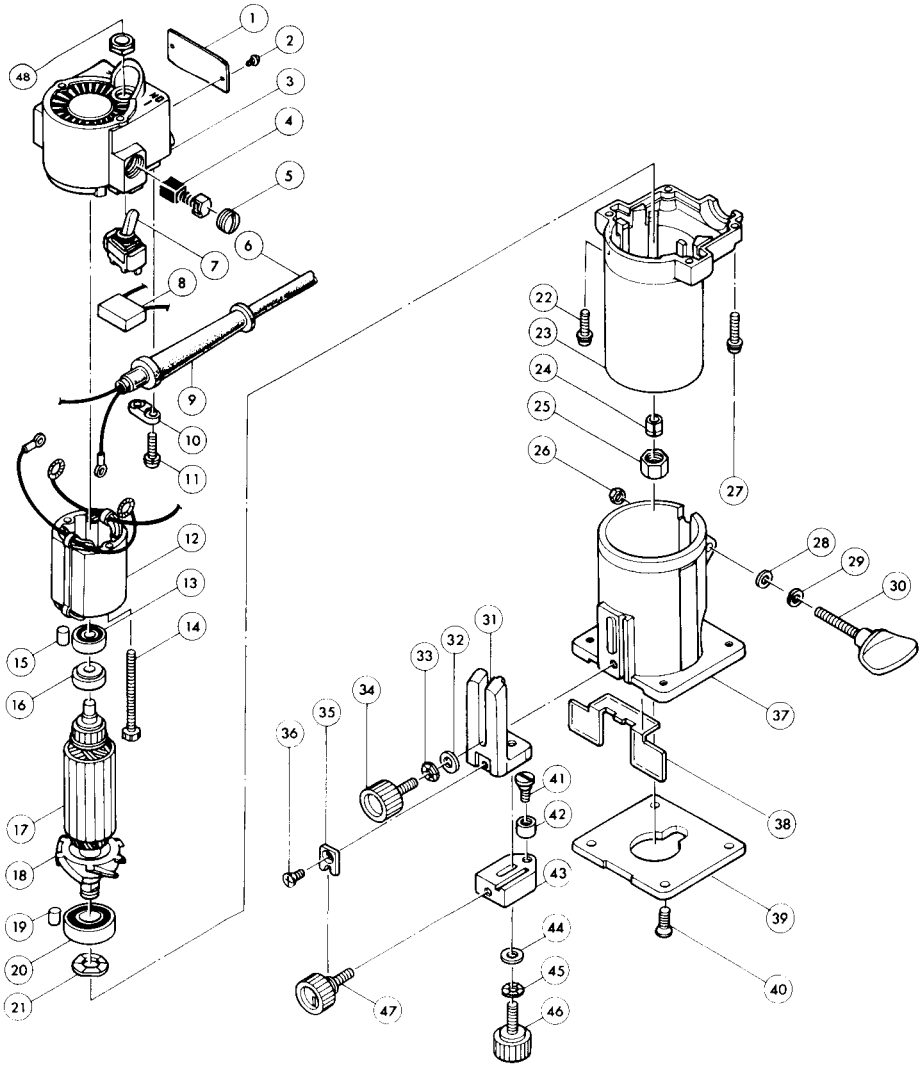
1992 — 7 — N

1/4"
TRIMMER
Model 3700B



Note: The switch, noise suppressor and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION
MACHINE		
1	1	Name Plate
2	2	Rivet 0–5
3	1	Motor Rear Housing
4	2	Carbon Brush
5	2	Brush Holder Cap
6	1	Cord
7	1	Switch
9	1	Cord Guard
10	1	Strain Relief
11	2	Pan Head Screw M4x18 (With Washer)
12	1	FIELD ASSEMBLY
13	1	Ball Bearing 627LB
14	2	Hex. Bolt M4x70 (With Washer)
15	1	Rubber Pin 4
16	1	Insulation Washer
17	1	ARMATURE ASSEMBLY (With Item 13, 16, 18 & 20)
18	1	Fan 52
19	1	Rubber Pin 6
20	1	Ball Bearing 6002LLB
21	1	Wave Washer 23
22	2	Pan Head Screw M4x18 (With Washer)
23	1	Motor Housing
24	1	Collet Cone

ITEM NO.	NO. USED	DESCRIPTION
MACHINE		
25	1	Collet Nut
26	1	Hex. Nut M5
27	2	Pan Head Screw M4x25 (With Washer)
28	1	Flat Washer 5
29	1	Spring Washer 5
30	1	Screw M5x30
31	1	Guide Holder
32	1	Flat Washer 6
33	1	Wave Washer 6
34	1	Screw M6x25
35	1	Hook
36	1	Countersunk Head Screw M4x12 (With Washer)
37	1	Base
38	1	Chip Deflector
39	1	Base Protector
40	4	Countersunk Head Screw M4x10 (With Washer)
41	1	Flat Head Screw M5
42	1	Roller 11
43	1	Trimmer Guide
44	1	Flat Washer 6
45	1	Wave Washer 6
46	1	Screw M6x25
47	1	Screw M6
48	1	Hex. Nut M12

Note: The switch and other part specifications may differ from country to country.

アメリカ

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Anjo, Aichi 446 Japan

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